

IN THE CLAIMS

For the Examiner's convenience, all pending claims are included below.

1. (Amended) A bearing~~Bearing~~ housing for accommodating a rotor shaft of a wind turbine, comprising:

a flange (12) for connecting the bearing housing to a main frame (30) of the wind turbine;

the flange having a connecting surface to be attached to the main frame, wherein ~~whereby~~ at least parts of the connecting surface, when seen from the top of the bearing housing, would be located below the rotor shaft (33).

2. (Amended) The bearing~~Bearing~~ housing according to claim 1, wherein ~~whereby~~

the flange (12) has a connecting surface that can be averaged by a plane (41); and wherein ~~whereby~~ the plane is inclined with respect to the rotor shaft axis (13) by an angle of at least 20°.

3. (Cancelled)

4. (Cancelled)

5. (Amended) The bearing~~Bearing~~ housing according to claim 1 ~~any of the preceding claims~~, wherein ~~whereby~~ the connecting surface (51, 52) is arranged in one plane.

6. (Amended) The bearing Bearing housing according to claim 1 any of the preceding claims, wherein whereby the bearing housing is essentially a single cast iron component (11).

7. (Amended) The bearing Bearing housing according to claim 1 any of the preceding claims, wherein whereby the flange (12) comprises openings (53) for fastening means, and wherein whereby at least in sections, these openings are arranged along a curvature.

8. (Amended) The bearing Bearing housing according to claim 1 any of the preceding claims, wherein whereby the bearing housing is suitable for accommodating two bearings (21, 22) for holding the rotor shaft.

9. (Amended) The bearing Bearing housing according to claim 1 any of the preceding claims, wherein whereby the two bearings are a locating bearing (21) and a floating bearing (22).

10. (Amended) The bearing Bearing housing according to claim 1 any of the preceding claims, wherein whereby the flange has a thickness (d) below 120 mm.

11. (Original) The bearing Bearing housing according to claim 1 any of the preceding claims, wherein whereby the connecting surface of the flange of the bearing housing is continuous.

12. (Original) The bearing Bearing housing according to claim 1 any of the preceding claims, wherein whereby the connecting surface of the flange of the bearing housing has an area of at least 1.5 m^2 .

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Amended) A wind Wind turbine comprising: according to claim 17 whereby the bearing housing defined in claim 1; comprises the features of any of claims 1 to 12

a tower defining a z-axis;
a rotor;
a rotor shaft defining an x-axis, the axis of the rotor shaft being located at a y-position y_s and the rotor having a radius r ; and
a main frame.

17. (New) The wind turbine defined in claim 16 wherein the flange comprises a connecting surface which is partly positioned at a z-position below the rotor shaft and at the same time at a y-position between y_s-r and y_s+r .